INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

October 17, 2003

TO: Interested Parties / Applicant

RE: Alumitech of Wabash, Inc. / 169-17979-00035

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot 9/16/03

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October 17, 2003

Phillip Brown
Alumitech of Wabash, Inc.
P. O. Box 810
Wabash, Indiana 46992

Re: **169-17979**
First Administrative Amendment to
FESOP 169-15363-00035

Dear Mr. Brown:

Alumitech of Wabash, Inc. was issued a permit on February 21, 2003 for a secondary aluminum processing source. A letter requesting changes to this permit was received on July 25, 2003. The changes requested by Alumitech of Wabash, Inc. are detailed below:

Alumitech of Wabash, Inc. requested:

(1) To change the "Authorized Individual" from President to General Manager.

(2) That the name of the source be retained as Alumitech of Wabash, Inc. even though the ownership of the source has changed to a division of Zemex Corporation. Zemex Corporation has been acquired by Cementos Pacasmayo S.A.A ("Pacasmayo") a publically listed corporation in Peru. The source will continue to be known as Alumitech of Wabash, Inc.

(3) That the compliance date for HCl stack testing of both natural gas-fired oxygen rotary furnaces, identified as F1 and F2, required by Condition D.1.11(b) of FESOP 169-15363, be changed from "within 180 days of issuance" (which was August 20, 2003) to November 3, 2003.

Changing the stack testing compliance date to November 3, 2003 will allow the source to combine the furnace HCl testing with the PM and PM_{10} testing that is scheduled to be completed by November 3, 2003.

(4) That the stack test for the tumbler in Condition D.2.6 of FESOP 169-15363 be revised to require only PM testing and not include separate testing of PM_{10}. In addition the compliance date of the tumbler stack test be changed from "within 180 days of issuance" (which was August 20, 2003) to November 3, 2003.

The exhaust airstream from the tumbler is at ambient temperature. Therefore, no condensible PM_{10} particulates are associated with this emission unit. PM testing results can be used to verify compliance with the PM_{10} emission limit for the tumbler as long as it is conservatively assumed that all PM is PM_{10}.

The tumbler was out of service between May 2003 and the original stack test compliance

date of August 21, 2003 so it was not possible to test the tumbler by that date. The extension of the stack testing compliance date for the tumbler to November 3, 2003 will also allow the source to combine the tumbler testing with the furnace testing that is scheduled to be completed by November 3, 2003.

(5) That the range of pressure drop reflecting normal baghouse operation for baghouse FB1 controlling PM and PM_{10} emissions from the oxygen rotary furnaces and the salt cake cooling rack be changed from between 0.5 and 6.5 inches of water to between 1.0 and 10.0 inches of water as justified in the September 18, 2003 correspondence from Cornerstone Environmental, Health and Safety. Substantiation was provided that this increased range of pressure drop is indicative of normal baghouse operation for baghouse FB1.

CP 169-10043-00035, issued on December 31, 1998 for the furnace baghouse states "the pressure drop across the baghouse shall be maintained within the range of 0.5 and 10.0 inches of water." The stack test performed on February 7, 2002 demonstrated compliance with the construction permit. Further, the PM emission rate of 0.3 pounds per hour recorded during the test is less than one third (1/3) of the allowable emission rate established by the existing FESOP. During the stack test the pressure drop varied within a range from one (1) to ten (10) inches of water for the four modules of the baghouse. This justifies a pressure drop range of one (1) to ten (10) inches of water as requested in the application for an administrative amendment.

Furthermore, it is noteworthy that pressure drop monitoring will not be required after March 22, 2004, the date that this area source must comply with the requirements of NESHAP 40 CFR Part 63 Subpart RRR. The NESHAP requires the installation and operation of a bag-leak detection monitoring and alarm system.

(6) That the second paragraph of Condition D.2.5 be deleted since it is redundant with Condition D.2.6 and in fact does not belong in Condition D.2.5.

(7) That corrections to the descriptive wording of Conditions D.3.3, D.3.4, D.4.4 and D.4.8 be made to be consistent with the facilities cited in Sections D.3 and D.4. These revisions do not affect any existing applicable requirements of the permit and do not add any new requirements.

Pursuant to the provisions of 326 IAC 2-8-10, the permit is hereby administratively amended as follows:

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary secondary aluminum production source processing aluminum dross and scrap aluminum.

Authorized Individual:	**General Manager** ~~President~~
Source Address:	State Route 15 and Dimension Avenue, Wabash, Indiana 46992
Mailing Address:	P.O. Box 747, Wabash, Indiana 46992
General Source Phone Number:	219 563-2409
SIC Code:	3341
County Location:	Wabash
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

D.1.11 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

(a) By November 3, 2003, in order to demonstrate compliance with Conditions D.1.3, D.1.4 and D.1.5, the Permittee shall perform PM and PM_{10} testing of the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C- Performance Testing.

(b) **By November 3, 2003** ~~Within 180 days of issuance of this permit~~, in order to demonstrate compliance with Condition D.1.2, the Permittee shall perform HCl testing of both natural gas-fired oxygen rotary furnaces, identified as F1 **and** ~~or~~ F2, while fluxing and exhausting to Stack S-FB1, utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C- Performance Testing.

D.1.24 Parametric Monitoring

Effective until March 22, 2004, the Permittee shall record the total static pressure drop across the baghouse FB1 used in conjunction with the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, at least once per shift when the melting and cooling processes are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of **1.0** ~~0.5~~ and **10.0** ~~6.5~~ inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.2.5 Particulate Control

In order to comply with D.2.1, the cyclone and baghouse for particulate control shall be in operation and control emissions from the tumbler at all times that the tumbler are in operation.

~~To demonstrate compliance with 326 IAC 6-3-2, 326 IAC 2-8-4 and 326 IAC 2-2, a compliance stack test of PM and PM_{10} for the one (1) tumbler, consisting of one (1) screen, one (1) conveyor, one (1) feeding conveyor, and five (5) augers, shall be performed by March 11, 2003 which corresponds to five (5) years from the date of the last valid stack test.~~

D.2.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

By November 3, 2003 ~~Within 180 days of issuance of this permit~~, in order to demonstrate compliance with Conditions D.2.1, D.2.2 and D.2.3 the Permittee shall perform PM ~~and PM_{10}~~ testing of the one (1) tumbler, consisting of one (1) screen, one (1) conveyor, one (1) feeding conveyor, and five (5) augers, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. ~~PM_{10} includes filterable and condensible PM_{10}~~. Testing shall be conducted in accordance with Section C- Performance Testing.

D.3.3 PM Limitations [326 IAC 2-2]

(a) The PM emissions from the ~~one (1) tumbler, consisting of~~ one (1) sizing line, consisting of one (1) grizzly feeder, one (1) primary crusher (Mega Slam), one (1) secondary crusher (Cage Mill), eight (8) conveyors, two (2) augers, two (2) screens, and three (3) holding tanks, shall not exceed 1.14 pounds per hour.

D.3.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the **sizing line** ~~tumbler~~ and its control device.

D.4.8 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the **screening line** ~~tumbler~~ and its control device.

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire revised FESOP, with all revisions and amendments made to it, is being provided.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Frank P. Castelli, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395, ext. 13 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
FPC/MES
cc: File - Wabash County
U.S. EPA, Region V
Wabash County Health Department
Air Compliance Section Inspector Ryan Hillman
Compliance Branch - Karen Ampil
Administrative and Development
Technical Support and Modeling - Michele Boner

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NEW SOURCE CONSTRUCTION AND FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR QUALITY

Alumitech of Wabash, Inc.
State Route 15 and Dimension Avenue
Wabash, Indiana 46992

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F 169-15363-00035	
Original signed by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: February 21, 2003 Expiration Date: February 21, 2008

First Administrative Amendment: F 169-17979-00035	Conditions Affected: A.1, D.1.11, D.1.24, D.2.5, D.2.6, D.3.3, D.3.4, and D.4.8
Issued by:Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date:October 17, 2003

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary secondary aluminum production source processing aluminum dross and scrap aluminum.

Authorized Individual:	General Manager
Source Address:	State Route 15 and Dimension Avenue, Wabash, Indiana 46992
Mailing Address:	P.O. Box 747, Wabash, Indiana 46992
General Source Phone Number:	219 563-2409
SIC Code:	3341
County Location:	Wabash
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

(a) Two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, rated at 6.0 million British thermal units per hour each, controlled with a baghouse with lime injection, identified as FB1, exhausting through Stack S-FB1, installed in 1998 and 2000, respectively, capacity: 3.5 tons per hour of aluminum dross or aluminum scrap each.

(b) One (1) enclosed salt cake cooling rack with hood, installed in 2000, controlled with a baghouse, identified as FB1, exhausting through Stack S-FB1, capacity: 5.5 tons of salt cake per hour.

(c) One (1) tumbler, consisting of one (1) screen, one (1) conveyor, one (1) feeding conveyor, and five (5) augers, controlled with a cyclone connected in series with a baghouse, identified as MB1, exhausting through Stack S-MB1, installed in 1996, capacity: 12.0 tons of aluminum dross and/or salt cake per hour.

(d) One (1) sizing line, consisting of one (1) grizzly feeder, one (1) primary crusher (Mega Slam), one (1) secondary crusher (Cage Mill), eight (8) conveyors, two (2) augers, two (2) screens, and three (3) holding tanks, all controlled with a baghouse, identified as MB2, exhausting through Stack S-MB2, installed in 1998, capacity: 12.0 tons of aluminum dross and salt cake per hour.

(e) One (1) screening line, consisting of screening and conveying processes, controlled with a baghouse, identified as MB2, exhausting through Stack S-MB2, to be installed, capacity: 39.0 tons of aluminum dross per hour.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour with a total heat input capacity of 0.465 million British thermal units per hour consisting of:

(1) One (1) office hot water heater, rated at 0.040 million British thermal units per hour.

(2) One (1) office furnace, rated at 0.070 million British thermal units per hour.

(3) Two (2) brake room furnaces, rated at 0.070 million British thermal units per hour each.

(4) One (1) brake room hot water heater, rated at 0.040 million British thermal units per hour.

(5) One (1) maintenance furnace, rated at 0.075 million British thermal units per hour.

(6) One (1) maintenance heater, rated at 0.100 million British thermal units per hour.

(b) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 British thermal units per hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 British thermal units per hour, consisting of a 20-hp gasoline fired portable welder.

(c) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.

(d) Cleaners and solvents characterized as follows:

(1) having a vapor pressure equal to or less than 2 kiloPascals; 15 millimeters of mercury; or 0.3 pounds per square inch measured at 38EC (100EF) or;

(2) having a vapor pressure equal to or less than 0.7 kiloPascals; 5 millimeters of mercury; or 0.1 pounds per square inch measured at 20EC (68EF); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(e) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(f) Paved roads and parking lots with public access.

(g) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

(h) Raw material unloading and storage.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2, and 326 IAC 2-7) shall prevail.

B.3 Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

B.4 Enforceability [326 IAC 2-8-6]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)] [326 IAC 2-8-5(a)(4)]

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish

to IDEM, OAQ, copies of records required to be kept by this permit.

(c) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ, may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; and

(3) Denial of a permit renewal application.

(b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

(c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and

(5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The PMP extension notification does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall implement the PMPs as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or contributes to any violation. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

B.14 Emergency Provisions [326 IAC 2-8-12]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section)
or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:

(1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or

(2) Failure to implement elements of the Preventive Maintenance Plan unless such failure has caused or contributed to a deviation.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for

which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]

(1) A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]

(a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

(c) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

(d) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

B.20 Permit Revision Requirement [326 IAC 2-8-11.1]
A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2]
Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Failure to pay may result in administrative enforcement action, or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4325 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

B.24 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]

(a) The requirements to obtain a permit revision under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.

(b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction work is suspended for a continuous period of one (1) year or more.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Particulate Emission Limitations For Processes With Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P][326 IAC 6-3-2]

(a) Pursuant to 40 CFR 52 Subpart P, the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than one hundred (100) pounds per hour shall not exceed 0.551 pounds per hour.

(b) Pursuant to 326 IAC 6-3-2(e)(2), the allowable particulate emissions rate from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than one hundred (100) pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit any regulated pollutant from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable;

(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and

(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(c) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited, pursuant to the provisions of 40 CFR 61, Subpart M, is federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.10 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.11 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

C.12 Compliance Schedule [40 CFR 63, Subpart RRR]

On December 3, 2002, IDEM, OAQ approved an extension of the final compliance standards and date contained in 40 CFR Part 63, Subpart RRR for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2. The termination date of this extension is March 23, 2004, which is the final compliance date for 40 CFR Part 63, Subpart RRR and the Permittee shall operate all facilities in compliance with emission limits by March 23, 2004.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.13 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule with full justification of the reasons for inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.14 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing performed required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63 or other approved methods as specified in this permit.

C.15 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

(b) Whenever a condition in this permit requires the measurement of a temperature or flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

(c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.

(d) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.16 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall submit:

(a) A compliance schedule for meeting the requirements of 40 CFR 68; or

(b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP).

All documents submitted pursuant to this condition shall include the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

C.17 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ, upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee’s current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

(4) Failure to take reasonable response steps shall constitute a violation of the permit.

(c) The Permittee is not required to take any further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.

(3) An automatic measurement was taken when the process was not operating.

(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.

(e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these

response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.19 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

(a) Records of all required data, reports and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.20 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

(a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(d) Unless otherwise specified in this permit, all report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156

(b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Oxygen Rotary Furnaces & Salt Cake Cooling Rack

(a) Two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, rated at 6.0 million British thermal units per hour each, controlled with a baghouse with lime injection, identified as FB1, exhausting through Stack S-FB1, installed in 1998 and 2000, respectively, capacity: 3.5 tons per hour of aluminum dross or aluminum scrap each.

(b) One (1) enclosed salt cake cooling rack with hood, installed in 2000, controlled with a baghouse, identified as FB1, exhausting through Stack S-FB1, capacity: 5.5 tons of salt cake per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 General Provisions Relating to HAPs [326 IAC 20-1-1] [40 CFR 63, Subpart A]

Effective March 23, 2004, the provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, described in this section except when otherwise specified in 40 CFR 63 Subpart RRR.

D.1.2 HCl (HAP) Limitations [326 IAC 2-8-4]

(a) The hydrogen chloride (HCl) emissions from the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, including fluxing exhausting through Stack S-FB1, shall be less than 2.28 pounds per hour, equivalent to less than 10.0 tons per year.

(b) Compliance with this limit shall satisfy the requirements of 326 IAC 2-8-4 and the area source definition of 40 CFR 63, Subpart A.

D.1.3 PM_{10} Limitations [326 IAC 2-8-4] [326 IAC 2-2]

(a) The PM_{10} emissions from the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, including fluxing, shall not exceed 0.936 pounds per hour.

(b) Compliance with this limit shall satisfy the requirements of 326 IAC 2-8-4 and also make the requirements of 326 IAC 2-2 not applicable.

D.1.4 PM Limitations [326 IAC 2-2]

(a) The PM emissions from two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, including fluxing, shall not exceed 0.936 pounds per hour.

(b) Compliance with this limit shall make the requirements of 326 IAC 2-2 not applicable.

D.1.5 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, shall not exceed 15.1 pounds per hour, when operating at a total process weight rate of 7.0 tons per hour.

The pounds per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.1.6 Secondary Aluminum Production Limits [40 CFR Part 63.1500 (Subpart RRR)]

(a) Effective March 23, 2004, pursuant to 40 CFR Part 63.1505(k)(3), the Permittee shall comply with the emission limit calculated using the following equation for dioxins and furans (D/F, which means tetra-, penta-, hexa-, and octachlorinated dibenzo dioxins and furans) for each of the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2. The Permittee shall not discharge or allow to be discharged to the atmosphere any 3-day, 24-hour rolling average emissions of D/F in excess of:

$$L_{cDF} = \frac{\sum_{i=1}^{n} \left(L_{tiDF} x T_{ti} \right)}{\sum_{i=1}^{\wedge} T_{ti}}$$

where L_{tiDF} = The D/F emission limit for individual emission unit in the secondary aluminum processing unit; and

L_{cDF} = The D/F emission limit for secondary aluminum processing unit.

(b) Pursuant to 40 CFR 63.1505(k)(5), the Permittee may demonstrate compliance with the emission limits of 40 CFR 63.1505(k)(3) by demonstrating that each of the natural gas-fired oxygen rotary furnaces, identified as F1 and F2, is in compliance with the following emission limit of 40 CFR 63.1505(i)(3):

15 ug of D/F TEQ per Mg (2.1 x 10-4 gr of D/F TEQ per ton) of feed/charge from a group 1 furnace.

(1) TEQ means the international method of expressing toxicity equivalents for D/F as defined in “Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and -Dibenzofurans (CDDs and CDFs) and 1989 Update” (EPA-625/3-89-016), available from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia 22161, NTIS no. PB 90-145756.

(2) The Permittee may determine the emission standards for each of the natural gas-fired oxygen rotary furnaces, identified as F1 and F2, by applying the Group 1 furnace limits on the basis of the aluminum production weight in each Group 1 furnace, rather than on the basis of feed/charge.

D.1.7 Labeling [40 CFR Part 63.1506(b)]

By March 23, 2004, the Permittee shall provide and maintain easily visible labels that shall be posted at the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2. Said labels shall identify the applicable emission limits and means of compliance, including:

(a) The type of affected source or emission unit (e.g., group 1 furnace, group 2 furnace, in-line fluxer); and

(b) The applicable operational standard(s) and control method(s) (work practice or control device). This includes, but is not limited to, the type of charge to be used for a furnace (e.g., clean scrap only, all scrap, etc.), flux materials and addition practices, and the applicable operating parameter ranges and requirements as incorporated in the OM&M plan.

D.1.8 Capture/Collection Systems [40 CFR Part 63.1506(c)]

By March 23, 2004, pursuant to 40 CFR 63.1506(c), the Permittee shall:

(a) Design and install a system for the capture and collection of emissions to meet the engineering standards for minimum exhaust rates as published by the American Conference of Governmental Industrial Hygienists in chapters 3 and 5 of "Industrial Ventilation: A Manual of Recommended Practice" (incorporated by reference: 40 CFR 63.1502)

(b) Vent captured emissions through a closed system, except that dilution air may be added to emission streams for the purpose of controlling temperature at the inlet to a fabric filter; and

(c) Operate each capture/collection system according to the procedures and requirements in the OM&M plan.

D.1.9 Operation, Maintenance, and Monitoring (OM&M) Plan [40 CFR Part 63.1510(b)]

By March 23, 2004, the Permittee shall submit the OM&M plan for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, to the IDEM, OAQ.

The plan shall be accompanied by a written certification by the Permittee that the OM&M plan satisfies all requirements of 40 CFR 63.1510(b) and is otherwise consistent with the requirements of Subpart RRR. The Permittee shall comply with all of the provisions of the OM&M plan as submitted to the IDEM, OAQ unless and until the plan is revised in accordance with the following procedures. If the IDEM, OAQ determines at any time after receipt of the OM&M plan that any revisions of the plan are necessary to satisfy the requirements of 40 CFR 63.1510(b) or Subpart RRR, the Permittee shall promptly make all necessary revisions and resubmit the revised plan. If the Permittee determines that any other revisions of the OM&M plan are necessary, such revisions will not become effective until the Permittee submits a description of the changes and a revised plan incorporating them to the IDEM, OAQ.

Each plan shall contain the following information:

(a) Process and baghouse parameters to be monitored to determine compliance, along with established operating levels or ranges, as applicable, for each process and control device.

(b) A monitoring schedule for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2.

(c) Procedures for the proper operation and maintenance of the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2 and the baghouse used to meet the applicable emission limits or standards in 40 CFR 63.1505.

(d) Procedures for the proper operation and maintenance of monitoring devices or systems used to determine compliance, including:

(1) Calibration and certification of accuracy of each monitoring device, at least once every six (6) months, according to the manufacturer's instructions; and

(2) Procedures for the quality control and quality assurance of continuous emission as required by the general provisions in Subpart A of this part.

(e) Procedures for monitoring process and control device parameters, including procedures for annual inspections of afterburners, and if applicable, the procedure to be used for determining charge/feed (or throughput) weight if a measurement device is not used.

(f) Corrective actions to be taken when process or operating parameters or baghouse parameters deviate from the value or range established in 40 CFR 63.1510(b)(1), including:

(1) Procedures to determine and record the cause of an deviation or excursion, and the time the deviation or excursion began and ended; and

(2) Procedures for recording the corrective action taken, the time corrective action was initiated, and the time/date corrective action was completed.

(g) A maintenance schedule for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, and their baghouse that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance.

D.1.10 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices. If the OM&M plan required by Condition D.1.9 is developed in accordance with Section B- Preventive Maintenance Plans, then after the OM&M plan has been approved, it shall satisfy the requirements of this condition

Compliance Determination Requirements

D.1.11 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

(a) By November 3, 2003, in order to demonstrate compliance with Conditions D.1.3, D.1.4 and D.1.5, the Permittee shall perform PM and PM_{10} testing of the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C- Performance Testing.

(b) By November 3, 2003, in order to demonstrate compliance with Condition D.1.2, the Permittee shall perform HCl testing of both natural gas-fired oxygen rotary furnaces, identified as F1 and F2, while fluxing and exhausting to Stack S-FB1, utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C-Performance Testing.

D.1.12 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11] [40 CFR 63.1511, 63.1512, and 63.1513]

(a) Pursuant to 40 CFR 63.1511(a), prior to conducting any performance test required by 40 CFR Part 63, Subpart RRR, the Permittee shall prepare a site-specific test plan which satisfies all of the requirements, and shall obtain approval of the plan pursuant to the procedures, set forth in 40 CFR 63.7(c) (General Provisions).

(b) Pursuant to 40 CFR 63.1511(b), following approval of the site-specific test plan, the Permittee shall demonstrate initial compliance with each applicable emission, equipment,

work practice, or operational standard for each of the natural gas-fired oxygen rotary furnaces, identified as F1 and F2, and report the results in the notification of compliance status report as described in 40 CFR 63.1515(b). The Permittee shall conduct this initial performance test no later than September 23, 2004, which is 180 days after the March 23, 2004 compliance date in order to demonstrate compliance with Condition D.1.6 and 40 CFR Part 63 Subpart RRR. The Permittee shall conduct each performance test in accordance with the requirements and procedures set forth in 40 CFR 63.7(c) and 63.1511(b), (c), and (d) (Performance test/compliance demonstration general requirements). The Permittee is subject only to those performance testing requirements pertaining to D/F.

(c) Pursuant to 40 CFR 63.1511(g), the Permittee shall establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by 40 CFR 63.1510 that ensures compliance with the applicable emission limit for D/F. To establish the minimum or maximum value or range, the Permittee shall use the appropriate procedures in 40 CFR 63.1511(g) and submit the information required by 40 CFR 63.1515(b)(4) in the notification of compliance status report. The Permittee may use existing data in addition to the results of performance tests to establish operating parameter values for compliance monitoring provided each of the conditions in 40 CFR 63.1511(g) are met to the satisfaction of the IDEM, OAQ.

(d) Pursuant to 40 CFR 63.1512(d)(1), the Permittee shall conduct performance tests to measure emissions of D/F at the outlet of the lime-injected baghouse controlling Furnaces F1 and F2. Pursuant to 40 CFR 63.1512(j), the results of the performance tests for the natural gas-fired oxygen rotary furnaces, identified as F1 and F2, are used to establish emission rates in ug TEQ/Mg of feed/charge for D/F emissions from each emission unit. These emission rates are used for compliance monitoring in the calculation of the 3-day, 24-hour rolling average emission rates using the equation in 40 CFR 63.1510(t).

(e) Pursuant to Paragraphs (k), (n), (o), and (p) respectively of 40 CFR 63.1512, during the performance tests the Permittee shall comply with the requirements and use the procedures in these sections of the NESHAP for:

(1) Measuring or otherwise determining feed/charge weight to the natural gas-fired oxygen rotary furnaces, identified as F1 and F2;

(2) Establishing an operating parameter value or range for the inlet gas temperature at the inlet to the baghouse controlling the natural gas-fired oxygen rotary furnaces, identified as F1 and F2;

(3) Establishing an operating parameter value or range for the total reactive chlorine flux injection rate; and

(4) Establishing an operating parameter value for the lime injection system feeder setting for each operating cycle or time period used in the performance test.

(f) Pursuant to Paragraphs (b), (d), and (e)(3) and (4) respectively of 40 CFR 63.1513 (Equations for determining compliance), the Permittee shall comply with the requirements and use the equations, references, and/or procedures in these sections of the NESHAP for:

(1) Determining compliance with an emission limit for D/F;

(2) Conversion of D/F measurements to TEQ units; and

(3) Determining compliance with emission limits for a secondary aluminum processing unit.

D.1.13 HAPs Emissions

In order to comply with Condition D.1.2 a continuous lime injection system shall be in operation and control HCl emissions from the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, at all times that the furnaces are in operation.

D.1.14 Particulate Control and Capture/Collection Systems [326 IAC 2-8-4]

In order to comply with Conditions D.1.3 and D.1.5, the baghouse for particulate control shall be in operation and control emissions from the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, at all times that the furnaces are in operation.

D.1.15 Feed/Charge Determination [40 CFR 63.1506(d)]

By March 23, 2004, pursuant to 40 CFR 63.1506, the Permittee shall install and operate a device that measures and records or otherwise determines the weight of feed/charge (or throughput) for each operating cycle or time period used in the performance test. The Permittee shall operate each measurement system or other weight determination procedure in accordance with the Operation, Maintenance, and Monitoring Plan. Alternatively, the Permittee may choose to measure and record aluminum production weight from the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, rather than feed/charge weight provided that the aluminum production weight is measured for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, within a secondary aluminum processing unit and all calculations to demonstrate compliance with the emission limits for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, are based on aluminum production weight rather than feed/charge weight.

D.1.16 Fabric Filter Monitoring Requirements [40 CFR 63.1510(f)]

By March 23, 2004, the following requirements apply to the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2:

(a) The Permittee shall install and operate a bag leak detection system for each exhaust stack of a fabric filter.

(b) Each triboelectric bag leak detection system shall be installed, calibrated, operated, and maintained according to the "Fabric Filter Bag Leak Detection Guidance," (September 1997).

(c) The bag leak detection system shall be certified by the manufacturer to be capable of detecting PM emissions at concentrations of ten (10) milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.

(d) The bag leak detection system sensor shall provide output of relative or absolute PM loadings.

(e) The bag leak detection system shall be equipped with a device to continuously record the output signal from the sensor.

(f) The bag leak detection system shall be equipped with an alarm system that will sound automatically when an increase in relative PM emissions over a preset level is detected. The alarm shall be located where it is easily heard by plant operating personnel.

(g) For negative pressure or induced air fabric filters, the bag leak detector shall be installed downstream of the fabric filter.

(h) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

(i) The baseline output shall be established by adjusting the range and the averaging period of the device and establishing the alarm set points and the alarm delay time.

(j) Following initial adjustment of the system, the Permittee shall not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time except as detailed in the OM&M plan. In no case may the sensitivity be increased by more than one hundred (100%) percent or decreased more than fifty (50%) percent over a 365-day period unless such adjustment follows a complete fabric filter inspection which demonstrates that the fabric filter is in good operating condition.

D.1.17 Secondary Aluminum Production Compliance Determination [40 CFR Part 63, Subpart RRR]

Effective March 23, 2004, pursuant to 40 CFR Part 63.1510, the following conditions shall apply to the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2:

(a) Pursuant to 40 CFR 63.1506(m), for each furnace, the Permittee shall:

(1) Initiate corrective action within one (1) hour of a bag leak detection system alarm; complete the corrective action procedures in accordance with the Operation, Maintenance, and Monitoring Plan; and operate each fabric filter system such that the bag leak detection system alarm does not sound more than five (5%) percent of the operating time during a six (6) month reporting period. In calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of one (1) hour. If the Permittee takes longer than one (1) hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the Permittee to initiate corrective action.

(2) Maintain the three (3) hour average inlet temperature for each fabric filter at or below the average temperature established during the performance test plus twenty-five (25) degrees Fahrenheit.

(3) For a continuous-lime injection system, the Permittee shall maintain free-flowing alkaline agent in the hopper to the feed device at all times and maintain the alkaline agent feeder setting at the same level established during the performance test. For the purposes of this rule lime means calcium oxide or other alkaline reagent; and lime-injection means the continuous addition of lime upstream of the fabric filter.

(4) Maintain the total reactive chlorine flux injection rate for each operating cycle or time period used in the performance test at or below the average rate established during the performance test.

(b) The Permittee shall use a continuous lime-injected fabric filter to comply with the requirements of 40 CFR 63, Subpart RRR; and therefore pursuant to 40 CFR 63.1510(i), the Permittee shall:

(1) Verify that the lime (or other alkaline agent) is always free-flowing by inspecting the feed hopper or silo at least once each eight (8) hour period and recording the results of each inspection. If the lime or other alkaline agent is found not to be free-flowing during any of the eight (8) hour periods, the Permittee shall increase the frequency of inspections to at least once every four (4) hour period for the next three (3) days. The Permittee may return to inspections at least once every eight

(8) hour period if corrective action results in no further blockages of lime or other alkaline agent during the three (3) day period.

(2) The Permittee shall also record the feeder setting once each day of operation.

(c) Pursuant to 40 CFR 63.1510(j), for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, the Permittee shall:

(1) Record, for each fifteen (15) minute time period during each operating cycle or time period used in the performance test during which reactive fluxing occurs, the time, weight, and type of flux for each addition of solid reactive flux.

(2) Calculate and record the total reactive flux injection rate for each operating cycle or time period used in the performance test.

(d) Pursuant to 40 CFR 63.1510(s)(1), the Permittee shall include, within the OM&M plan prepared in accordance with 40 CFR 63.1510(b), the following information:

(1) The identification of each emission unit in the secondary aluminum processing unit;

(2) The specific control technology of pollution prevention measure to be used for each emission unit in the secondary aluminum processing unit and the date of its installation or application;

(3) The emission limit calculated for each secondary aluminum processing unit and performance test result with supporting calculations demonstrating initial compliance with each applicable emission limit;

(4) Information and data demonstrating compliance for each emission unit with all applicable design equipment work practice or operational standards of Subpart RRR; and

(5) The monitoring requirements applicable to each emission unit in a secondary aluminum processing unit and the monitoring procedures for daily calculation of the three- (3-) day, twenty-four- (24-) hour rolling average using the procedure in 40 CFR 63.1510(t).

(e) The SAPU compliance procedures within the OM&M plan may not contain any of the information provided in 40 CFR 63.1510(s)(2)(i) through (iv).

D.1.18 Fabric Filter Inlet Temperature Monitoring Requirements [40 CFR 63.1510(h)]

(a) By March 23, 2004, the Permittee shall install, calibrate, maintain, and operate a device to continuously monitor and record the temperature of the fabric filter inlet gases entering baghouse, identified as FB1 consistent with the requirements for continuous monitoring systems in 40 CFR Part 63, Subpart A.

(b) The temperature monitoring device shall meet each of these performance and equipment specifications:

(1) The monitoring system shall record the temperature in fifteen- (15-) minute block averages and calculate and record the average temperature for each three- (3-) hour block period.

(2) The recorder response range shall include zero (0) and one and one half (1.5) times the average temperature established according to the requirements in 40 CFR 63.1512(n).

(3) The reference method shall be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the Administrator.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.19 Labeling [40 CFR 63.1510(c)]

Effective March 23, 2004 for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, the Permittee shall inspect the labels required in Condition D.1.7 at least once per calendar month to confirm that the posted labels as required by the operational standard in 40 CFR 63.1506(b) are intact and legible.

D.1.20 Capture/Collection System [40 CFR 63.1510(d)]

Effective March 23, 2004 for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, the Permittee shall inspect each capture/collection and closed vent system at least once each calendar year to ensure that each system is operating in accordance with the operating requirements pursuant to 40 CFR 63.1506(c) and record the results of each inspection.

D.1.21 Feed/Charge Determination [40 CFR 63.1510(e)]

By March 23, 2004 for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, the Permittee shall install, calibrate, operate, and maintain a device to measure and record the total weight of feed/charge to, or the aluminum production from each furnace over the same operating cycle or time period used in the performance test. Feed/charge or aluminum production within SAPUs shall be measured and recorded on an emission unit-by-emission unit basis. The accuracy of the weight measurement device or procedure shall be $\pm$1 percent of the weight being measured.

D.1.22 Corrective Action [40 CFR 63.1506(p)]

Effective March 23, 2004, when a process parameter or baghouse operating parameter deviates from the value or range established and incorporated in the OM&M plan, the Permittee shall initiate corrective action. The corrective action taken, shall restore operation of the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, and/or baghouse FB1 to their normal or usual mode of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

In addition, the corrective actions taken shall include follow-up actions necessary to return the process or baghouse parameter level(s) to the applicable value or range of values, and steps to prevent the likely recurrence of the cause of a deviation.

D.1.23 Compliance Monitoring Requirements [40 CFR 63.1510(t)] [40 CFR 63.1510(u)]

Pursuant to 40 CFR 63, Subpart RRR, on and after the date the initial performance test to show compliance with Condition D.1.11 is required to be completed, the Permittee shall monitor the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, and the baghouse FB1 according to the following requirements:

(a) The Permittee shall calculate and record the three- (3-) day, twenty-four (24-) hour rolling average emissions of D/F for each furnace on a daily basis. To calculate the three- (3-) day, twenty-four (24-) hour rolling average, the Permittee shall:

(1) Calculate and record the total weight of material charged to each furnace for each twenty-four- (24-) hour day of operation using the feed/charge weight information

required in 40 CFR 63.1510(e). If the Permittee chooses to comply on the basis of weight of aluminum produced by the emission unit, rather than weight of material charged to the natural gas-fired oxygen rotary furnaces, identified as F1 and F2, all performance test emissions results and all calculations must be conducted on the aluminum production weight basis.

(2) To provide emissions for each furnace for the twenty-four- (24-) hour period, in pounds: multiply the total feed/charge weight to the furnace or the weight of aluminum produced by the furnace for the twenty-four- (24-) hour period, by the emission rate (in lb/ton of feed/charge) for that furnace (as determined during the emission test).

(3) Divide the total emissions for each furnace for the twenty-four- (24-) hour period by the total material charged to the furnace, or the weight of aluminum produced by the furnace over the twenty-four- (24-) hour period to provide the daily emission rate for the furnace.

(4) Compute the twenty-four- (24-) hour daily emission rate using the following equation:

$$E_{day} = \frac{\sum_{i=1}^{n} \left(T_i \times ER_i\right)}{\sum_{i=1}^{n} T_i}$$

where,

E_{day} = The daily D/F emission rate for the secondary aluminum processing unit for the 24-hour period;

T_i = The total amount of feed, or aluminum produced, for emission unit i for the 24-hour period (tons);

ER_i = The measured emission rate for emission unit i as determined in the performance test (lb/ton or mg/Mg of feed/charge); and

n = The number of emission units in the secondary aluminum processing unit.

(5) Calculate and record the three- (3-) day, twenty-four- (24-) hour rolling average for each pollutant each day by summing the daily emission rates for D/F over the three (3) most recent consecutive days and dividing by three (3).

(b) Pursuant to 40 CFR63.1510(u), as an alternative to the procedures in (a)(1) above, the Permittee may demonstrate through performance tests, that each individual furnace is in compliance with the applicable emission limit.

D.1.24 Parametric Monitoring

Effective until March 22, 2004, the Permittee shall record the total static pressure drop across the baghouse FB1 used in conjunction with the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, at least once per shift when the melting and cooling processes are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal

range of 1.0 and 10.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.25 Baghouse Inspections

Effective until March 22, 2004, an inspection shall be performed within the last month of each calendar quarter of all bags controlling the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2. All defective bags shall be replaced.

D.1.26 Broken or Failed Bag Detection

Effective until March 22, 2004, in the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.1.27 Visible Emissions Notations

(a) Effective until March 22, 2004, visible emission notations of the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, stack exhaust S-FB1 shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.28 Record Keeping Requirements

(a) To document compliance with Condition D.1.2(a), the Permittee shall maintain monthly records of the amount of flux added to the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2.

(b) To document compliance with Condition D.1.2(a), the Permittee shall maintain monthly records of the amount of chlorine injected to the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2.

(c) Effective until March 22, 2004, to document compliance with Condition D.1.24, the Permittee shall maintain records of the total static pressure once per shift during normal operation.

(d) Effective until March 22, 2004, to document compliance with Condition D.1.25, the Permittee shall maintain records of the results of the inspections required under Condition D.1.25.

(e) Effective until March 22, 2004, to document compliance with Condition D.1.27, the Permittee shall maintain records of visible emission notations of the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, stack exhaust S-FB1 once per shift.

(f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.29 Secondary Aluminum Production Record Keeping Requirements [40 CFR Part 63, Subpart RRR]

Effective March 23, 2004, pursuant to 40 CFR Part 63.1517, the Permittee shall:

(a) As required by 40 CFR 63.10(b), the Permittee shall maintain files of all information (including all reports and notifications) required by the general provisions and Subpart RRR.

(b) The Permittee shall retain each record for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The most recent two (2) years of records shall be retained at the source. The remaining three (3) years of records may be retained off site.

(c) The Permittee may retain records on microfilm, computer disks, magnetic tape, or microfiche; and report required information on paper or on a labeled computer disk using commonly available and EPA-compatible computer software.

(d) In addition to the general records required by 40 CFR 63.10(b), the Permittee of a furnace with a lime-injected fabric filter shall maintain records of:

(1) The number of total operating hours for the affected source or emission unit during each six- (6-) month reporting period, records of each alarm, the time of the alarm, the time corrective action was initiated and completed, and a brief description of the cause of the alarm and the corrective action(s) taken.

(2) For the natural gas-fired oxygen rotary furnaces, identified as F1 and F2, records of fifteen- (15-) minute block average inlet temperatures for the lime-injected baghouse, including any period when the three- (3-) hour block average temperature exceeds the compliant operating parameter value +14EC (+25EF), with a brief explanation of the cause of the excursion and the corrective action taken.

(3) The following regarding lime injection:

Records of inspections at least once every eight- (8-) hour period verifying that lime is present in the feeder hopper or silo and flowing, including any inspection where blockage is found, with a brief explanation of the cause of the blockage and the corrective action taken, and records of inspections at least once every four- (4-) hour period for the subsequent three (3) days. If flow monitors, pressure drop sensors or load cells are used to verify that lime is present in the hopper and flowing, records of all monitor or sensor output including any event where blockage was found, with a brief explanation of the cause of the blockage and the corrective action taken;

If lime feeder setting is monitored, records of daily inspections of feeder setting, including records of any deviation of the feeder setting from the setting used in the performance test, with a brief explanation of the cause of the deviation and the corrective action taken.

(4) For the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, records of fifteen- (15-) minute block average weights of total reactive flux injection rate and calculations (including records of the identity, composition, and weight of each addition of solid reactive flux), including records of any period the rate exceeds the compliant operating parameter value and corrective action taken.

(5) For each continuous monitoring system, records required by 40 CFR 63.10(c).

(6) For the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, records of feed/charge (or throughput) weights for each operating cycle or time period used in the performance test.

(7) Records of monthly inspections for proper unit labeling for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, subject to labeling requirements.

(8) Records of annual inspections of emission capture/collection and closed vent systems.

(9) Records for any approved alternative monitoring or test procedure.

(10) Current copy of all required plans, including any revisions, with records documenting conformance with the applicable plan, including:

(A) Startup, shutdown, and malfunction plan;

(B) OM&M plan; and

(C) Site-specific secondary aluminum processing unit emission plan.

(11) For the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, records of total charge weight, or if the Permittee chooses to comply on the basis of aluminum production, total aluminum produced for each twenty-four- (24-) hour period and calculations of three- (3-) day, twenty-four (24-) hour rolling average emissions.

D.1.30 Secondary Aluminum Production Reporting Requirements [40 CFR Part 63, Subpart RRR]

(a) Pursuant to 40 CFR 63.1515(b), the Permittee shall submit a notification of compliance status report within sixty (60) days after the compliance date of March 23, 2004. The notification shall be signed by the responsible official who shall certify its accuracy. A complete notification of compliance status report shall include the information specified in paragraphs (1) through (8) below. The required information may be submitted in an operating permit application, in an amendment to an operating permit application, in a separate submittal, or in any combination. If a Permittee submits the information specified in this section at different times or in different submittals, later submittals may refer to earlier submittals instead of duplicating and resubmitting the information previously submitted. A complete notification of compliance status report shall include:

(1) All information required in 40 CFR 63.9(h). The Permittee shall provide a complete performance test report for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, for which a performance test is required. A complete performance test report includes all data, associated measurements, and calculations.

(2) The approved site-specific test plan and performance evaluation test results for each continuous monitoring system.

(3) Unit labeling as described in 40 CFR 63.1506(b), including process type or furnace classification and operating requirements.

(4) The compliant operating parameter value or range established for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, with supporting documentation and a description of the procedure used to establish the value (e.g., lime injection rate, total reactive chlorine flux injection rate, fabric filter inlet temperature), including the operating cycle or time period used in the performance test.

(5) Design information and analysis, with supporting documentation, demonstrating conformance with the requirements for capture/collection systems in 40 CFR 63.1506(c).

(6) If applicable, analysis and supporting documentation demonstrating conformance with EPA guidance and specifications for bag leak detection systems in 40 CFR 63.1510(f).

(7) The OM&M plan.

(8) Startup, shutdown, and malfunction plan, with revisions.

(b) Pursuant to 40 CFR 63.1516(a), the Permittee shall develop and implement a written plan that contains specific procedures to be followed for operating and maintaining the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, during periods of startup,

shutdown, and malfunction, and a program of corrective action for malfunctioning process and baghouses used to comply with the standard. The Permittee shall also keep records of each event as required by 40 CFR 63.10(b) and record and report if an action taken during a startup, shutdown, or malfunction is not consistent with the procedures in the plan as described in 40 CFR 63.6(e)(3). In addition to the information required in 40 CFR 63.6(e)(3), the plan shall include:

(1) Procedures to determine and record the cause of the malfunction and the time the malfunction began and ended; and

(2) Corrective actions to be taken in the event of a malfunction of a process or baghouse, including procedures for recording the actions taken to correct the malfunction or minimize emissions.

(c) Pursuant to 40 CFR 63.1516(b), the Permittee shall submit semiannual reports within sixty (60) days after the end of each six- (6-) month period. Each report shall contain the information specified in 40 CFR 63.10 (c). When no deviations of parameters have occurred, the Permittee shall submit a report stating that no excess emissions occurred during the reporting period.

A report shall be submitted if any of these conditions occur during a six- (6-) month reporting period:

(1) The corrective action specified in the OM&M plan for a bag leak detection system alarm was not initiated within 1 hour.

(2) An excursion of a compliant process or operating parameter value or range (e.g., lime injection rate or screw feeder setting, total reactive chlorine flux injection rate, fabric filter inlet temperature, definition of acceptable scrap, or other approved operating parameter).

(3) An action taken during a startup, shutdown, or malfunction was not consistent with the procedures in the plan as described in 40 CFR 63.6(e)(3).

(4) Either or both of the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2, were not operated according to the requirements of Subpart RRR.

(5) A deviation from the three- (3-) day, twenty-four- (24-) hour rolling average emission limit for the two (2) natural gas-fired oxygen rotary furnaces, identified as F1 and F2.

(d) Pursuant to 40 CFR 63.1516(b)(3), the Permittee shall submit the results of any performance test conducted during the reporting period, including one (1) complete report documenting test methods and procedures, process operation, and monitoring parameter ranges or values for each test method used for a particular type of emission point tested.

(e) Pursuant to 40 CFR 63.1516(c), for the purpose of annual certifications of compliance required by 40 CFR Part 70 or 71, the Permittee shall certify continuing compliance based upon, but not limited to, the following conditions:

(1) Any period of excess emissions, as defined the semiannual report, that occurred during the year were reported as required by this subpart; and

(2) All monitoring, record keeping, and reporting requirements were met during the year.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Tumbler

(c) One (1) tumbler, consisting of one (1) screen, one (1) conveyor, one (1) feeding conveyor, and five (5) augers, controlled with a cyclone connected in series with a baghouse, identified as MB1, exhausting through Stack S-MB1, installed in 1996, capacity: 12.0 tons of aluminum dross and/or salt cake per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) tumbler, consisting of one (1) screen, one (1) conveyor, one (1) feeding conveyor, and five (5) augers shall not exceed 21.7 pounds per hour when operating at a process weight rate of 12.0 tons per hour. The pounds per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.2.2 PM_{10} Limitations [326 IAC 2-8-4] [326 IAC 2-2]

(a) The PM_{10} emissions from the one (1) tumbler, consisting of one (1) screen, one (1) conveyor, one (1) feeding conveyor, and five (5) augers shall not exceed 14.9 pounds per hour.

(b) Compliance with this limit shall satisfy the requirements of 326 IAC 2-8-4 and also make the requirements of 326 IAC 2-2 not applicable.

D.2.3 PM Limitations [326 IAC 2-2]

(a) The PM emissions from the one (1) tumbler, consisting of one (1) screen, one (1) conveyor, one (1) feeding conveyor, and five (5) augers, shall not exceed 14.9 pounds per hour.

(b) Compliance with this limit shall make the requirements of 326 IAC 2-2 not applicable.

D.2.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the tumbler and its control device.

Compliance Determination Requirements

D.2.5 Particulate Control

In order to comply with D.2.1, the cyclone and baghouse for particulate control shall be in operation and control emissions from the tumbler at all times that the tumbler are in operation.

D.2.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

By November 3, 2003, in order to demonstrate compliance with Conditions D.2.1, D.2.2 and D.2.3, the Permittee shall perform PM testing of the one (1) tumbler, consisting of one (1) screen, one (1) conveyor, one (1) feeding conveyor, and five (5) augers, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C-Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.2.7 Visible Emissions Notations

(a) Visible emission notations of the tumbler stack exhaust S-MB1 shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.2.8 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse, identified as MB1, used in conjunction with the tumbler processes, at least once per shift when the tumbler processes are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 and 6.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.2.9 Baghouse Inspections

An inspection shall be performed within the last month of each calendar quarter of all bags controlling the tumbler processes. All defective bags shall be replaced.

D.2.10 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.2.11 Cyclone Inspections

An inspection shall be performed within the last month of each calendar quarter of all cyclones controlling the tumbler processes. Inspections are optional when venting to the indoors.

D.2.12 Cyclone Failure Detection

In the event that cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.13 Record Keeping Requirements

(a) To document compliance with Condition D.2.7, the Permittee shall maintain records of visible emission notations of the tumbler stack exhaust S-MB1 once per shift.

(b) To document compliance with Condition D.2.8, the Permittee shall maintain per shift records of the total static pressure drop during normal operation.

(c) To document compliance with Condition D.2.9, the Permittee shall maintain records of the results of the inspections required under Condition D.2.9 and the dates the vents are redirected.

(d) To document compliance with Condition D.2.11, the Permittee shall maintain records of the results of the inspections required under Condition D.2.11 and the dates the vents are redirected.

(e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Sizing Line

(d) One (1) sizing line, consisting of one (1) grizzly feeder, one (1) primary crusher (Mega Slam), one (1) secondary crusher (Cage Mill), eight (8) conveyors, two (2) augers, two (2) screens, and three (3) holding tanks, all controlled with a baghouse, identified as MB2, exhausting through Stack S-MB2, installed in 1998, capacity: 12.0 tons of aluminum dross and salt cake per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.3.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) sizing line, consisting of one (1) grizzly feeder, one (1) primary crusher (Mega Slam), one (1) secondary crusher (Cage Mill), eight (8) conveyors, two (2) augers, two (2) screens, and three (3) holding tanks shall not exceed 21.7 pounds per hour when operating at a process weight rate of 12.0 tons per hour. The pounds per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.3.2 PM_{10} Limitations [326 IAC 2-8-4] [326 IAC 2-2]

(a) The PM_{10} emissions from the one (1) sizing line, consisting of one (1) grizzly feeder, one (1) primary crusher (Mega Slam), one (1) secondary crusher (Cage Mill), eight (8) conveyors, two (2) augers, two (2) screens, and three (3) holding tanks shall not exceed 0.338 pounds per hour.

(b) Compliance with this limit shall satisfy the requirements of 326 IAC 2-8-4 and also make the requirements of 326 IAC 2-2 not applicable.

D.3.3 PM Limitations [326 IAC 2-2]

(a) The PM emissions from the one (1) sizing line, consisting of one (1) grizzly feeder, one (1) primary crusher (Mega Slam), one (1) secondary crusher (Cage Mill), eight (8) conveyors, two (2) augers, two (2) screens, and three (3) holding tanks, shall not exceed 1.14 pounds per hour.

(b) Compliance with this limit shall make the requirements of 326 IAC 2-2 not applicable.

D.3.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the sizing line and its control device.

Compliance Determination Requirements

D.3.5 Particulate Control

In order to comply with D.3.1, the baghouse for particulate control shall be in operation and control emissions from the sizing line at all times that the sizing line is in operation.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.3.6 Visible Emissions Notations

(a) Visible emission notations of the sizing line exhaust S-MB2 shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.3.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse, identified as MB2, used in conjunction with the sizing line processes, at least once per shift when the sizing line processes are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 and 6.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C-Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.3.8 Baghouse Inspections

An inspection shall be performed within the last month of each calendar quarter of all bags controlling the sizing line processes. All defective bags shall be replaced.

D.3.9 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies

the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.3.10 Record Keeping Requirements

(a) To document compliance with Condition D.3.6, the Permittee shall maintain records of visible emission notations of the sizing line stack exhaust S-MB2 once per shift.

(b) To document compliance with Condition D.3.7, the Permittee shall maintain per shift records of the total static pressure drop during normal operation.

(c) To document compliance with Condition D.3.8, the Permittee shall maintain records of the results of the inspections required under Condition D.3.8 and the dates the vents are redirected.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Screening Line

(e) One (1) screening line, consisting of screening and conveying processes, controlled with a baghouse, identified as MB2, exhausting through Stack S-MB2, to be installed, capacity: 39.0 tons of aluminum dross per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

THIS CONSTRUCTION CONDITION SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1 AND 326 IAC 2-8-11.1, WITH CONDITIONS LISTED BELOW.

Construction Conditions

General Construction Conditions

D.4.1 Permit No Defense

This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

D.4.2 Effective Date of the Permit [IC 13-15-5-3]

Pursuant to IC 13-15-5-3, this Construction Condition section of this permit becomes effective upon its issuance.

D.4.3 Modification to Construction Conditions [326 IAC 2]

All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for revisions pursuant to 326 IAC 2.

D.4.4 Affidavit of Construction

Pursuant to 326 IAC 2-5.1-3,

(a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), Permit Administration & Development Section.

(1) If the Affidavit of Construction verifies that the facilities covered in this Construction Permit were constructed as proposed in the application, then the facilities may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.

(2) If the Affidavit of Construction does not verify that the facilities covered in this Construction Permit were constructed as proposed in the application, then the Permittee shall receive an Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section prior to beginning operation of the facilities.

(b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.

(c) Upon receipt of the Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section, the Permittee shall attach it to this document.

Operation Conditions

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.4.5 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) screening line, consisting of screening and conveying processes, shall not exceed 42.1 pounds per hour when operating at a process weight rate of 39.0 tons per hour. The pounds per hour limitation was calculated using the following equation:

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 55\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.4.6 PM_{10} Limitations [326 IAC 2-8-4] [326 IAC 2-2]

(a) The PM_{10} emissions from the one (1) screening line, consisting of screening and conveying processes shall not exceed 0.731 pounds per hour.

(b) Compliance with this limit shall satisfy the requirements of 326 IAC 2-8-4 and also make the requirements of 326 IAC 2-2 not applicable.

D.4.7 PM Limitations [326 IAC 2-2]

(a) The PM emissions from the one (1) screening line, consisting of screening and conveying processes, shall not exceed 1.55 pounds per hour.

(b) Compliance with this limit shall make the requirements of 326 IAC 2-2 not applicable.

D.4.8 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the screening line and its control device.

Compliance Determination Requirements

D.4.9 Particulate Control

In order to comply with D.4.5, the baghouse for particulate control shall be in operation and control emissions from the screening line at all times that the screening line is in operation.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.4.10 Visible Emissions Notations

(a) Visible emission notations of the screening line exhaust S-MB2 shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.4.11 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse, identified as MB2, used in conjunction with the screening line processes, at least once per shift when the screening line processes are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 and 6.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.4.12 Baghouse Inspections

An inspection shall be performed within the last month of each calendar quarter of all bags controlling the screening line processes. All defective bags shall be replaced.

D.4.13 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.4.14 Record Keeping Requirements

(a) To document compliance with Condition D.4.10, the Permittee shall maintain records of visible emission notations of the screening line stack exhaust S-MB2 once per shift.

(b) To document compliance with Condition D.4.11, the Permittee shall maintain per shift records of the total static pressure drop during normal operation.

(c) To document compliance with Condition D.4.12, the Permittee shall maintain records of the results of the inspections required under Condition D.4.12 and the dates the vents are redirected.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

(f) Paved roads and parking lots with public access.

(h) Raw material unloading and storage.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.5.1 Raw Material Unloading and Storage

Pursuant to Agreed Order Case No. 3645, formerly 4642, signed on May 16, 2001, the following:

(a) By June 1, 2001, all raw materials consisting of fines and all waste dross including any waste dross stored outside shall be unloaded and stored in an enclosed building or a three-(3) walled structure that includes a permanent roof and floor

(b) The Permittee shall develop and implement procedures for the delivery of raw materials. The written procedures shall be made readily available upon an IDEM inspector's request.

D.5.2 Fugitive Particulate From Roadways

Pursuant to Agreed Order Case No. 3645, formerly 4642, signed on May 16, 2001, the following:

(a) The Permittee shall sweep the plant's roadways no less than once per day unless weather conditions prohibit or major mechanical malfunctions.

(b) The Permittee shall maintain a written log documenting when sweeping was performed, or if not performed the weather conditions or major mechanical failures that prevented it from occurring. The log shall be made readily available upon and IDEM inspector's request.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Alumitech of Wabash, Inc.
Source Address: State Route 15 and Dimension Avenue, Wabash, Indiana 46992
Mailing Address: P.O. Box 747, Wabash, Indiana 46992
FESOP No.: F 169-15363-00035

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

9 Annual Compliance Certification Letter

9 Test Result (specify) _____

9 Report (specify) _____

9 Notification (specify) _____

9 Affidavit (specify) _____

9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: Alumitech of Wabash, Inc.
Source Address: State Route 15 and Dimension Avenue, Wabash, Indiana 46992
Mailing Address: P.O. Box 747, Wabash, Indiana 46992
FESOP No.: F 169-15363-00035

This form consists of 2 pages **Page 1 of 2**

9 This is an emergency as defined in 326 IAC 2-7-1(12)

- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two working (**2**) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Alumitech of Wabash, Inc.
Source Address: State Route 15 and Dimension Avenue, Wabash, Indiana 46992
Mailing Address: P.O. Box 747, Wabash, Indiana 46992
FESOP No.: F 169-15363-00035

Months: _____ to _____ Year: _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Page 2 of 2

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: ______________________

Form Completed By: ____

Title/Position: ____

Date: ____

Phone: ____

Attach a signed certification to complete this report.